

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
17 June 2004 (17.06.2004)

PCT

(10) International Publication Number
WO 2004/051270 A3

(51) International Patent Classification⁷: **G01N 33/58**,
C07K 1/13, 5/103, 7/02

A-1140 Wien (AT). SEIFERT, Jan-Marcus [DE/AT];
Julius Raab-Strasse 25/1, A-2345 Brunn am Gebirge (AT).

(21) International Application Number:
PCT/EP2003/013715

(74) Agent: GRUBB, Philip; Novartis AG, Corporate Intellectual Property, CH-4002 Basel (CH).

(22) International Filing Date: 4 December 2003 (04.12.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0228429.7 5 December 2002 (05.12.2002) GB

(71) Applicant (for all designated States except AT, US): NO-
VARTIS AG [CH/CH]; Lichtstasse 35, CH-4056 Basel
(CH).

(81) Designated States (national): AT, AU, AZ, BA, BB, BG,
BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, HR, HU, ID,
IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LT, LU, LV,
MA, MD, MK, MN, MX, NI, NO, NZ, OM, PG, PH, PL,
PT, RO, RU, SC, SE, SG, SK, SY, TJ, TM, TN, TR, TT,
UA, US, UZ, VC, VN, YU, ZA, ZW.

(84) Designated States (regional): Eurasian patent (AM, AZ,
BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE,
BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU,
IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

(71) Applicant (for AT only): NOVARTIS PHARMA GMBH
[AT/AT]; Brunner Strasse 59, A-1230 Vienna (AT).

(72) Inventors; and

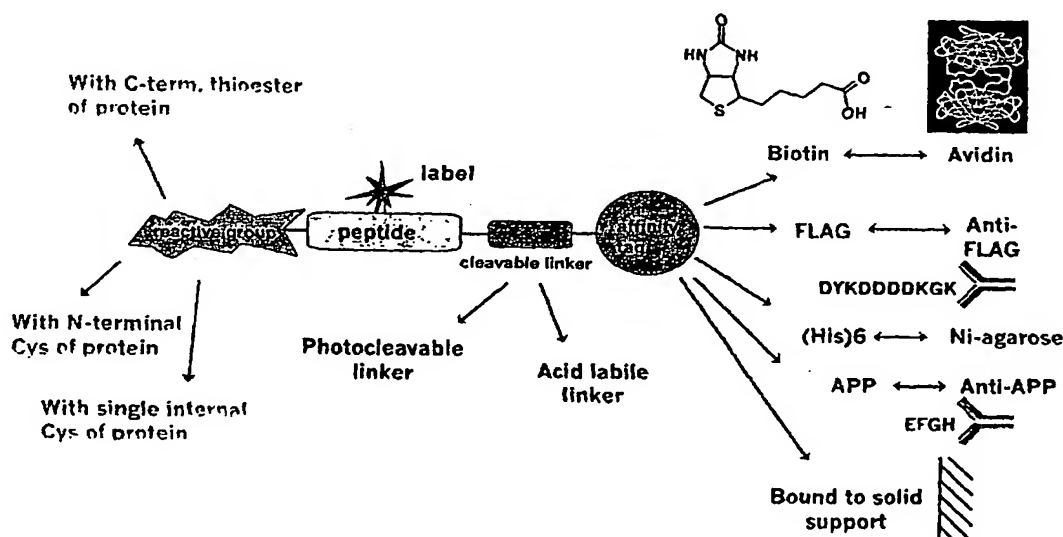
(75) Inventors/Applicants (for US only): AUER, Manfred
[AT/AT]; Bernhardgasse 8/6, A-2340 Moedling (AT).
MEISNER, Nicole-Claudia [AT/AT]; Hauptstrasse 65-3,

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

[Continued on next page]

(54) Title: LABELING METHODOLOGY COMPRISING OLIGOPEPTIDES



(57) **Abstract:** A method for providing a labeled target protein or labeled target peptide in high purity, which method comprises the steps of a. contacting a chemical molecule, which chemical molecule comprises a target protein or a target peptide residue beside amino acid residues, spacer residues, and/or linker residues, an affinity tagging residue, and a labeling residue which labeling residue may be detected by physical means, with an affinity support, to obtain said chemical molecule bound to the affinity support via the affinity tag of the affinity tagging residue, b. removing impurities in the reaction mixture surrounding the affinity support to which the chemical molecule according to step a. is bound, and c. cleaving or eluting said chemical molecule from said affinity support; and compounds useful in such method. Such method is e.g. useful for (ultra) HTS-screening, especially spectroscopic HTS systems at single molecule resolution.

Best Available Copy

WO 2004/051270 A3